

# ENGINEERING CHANGE NOTICE

## DART AEROSPACE LTD

Date: 13.12.16	Job No.: RD4429A	ADR Yes/No: N	ADR Date: <del>13.12.16</del>	ECN #: 13- 701
Product No.: D407-811		Created By: RF	Approved By: <del>RF</del>	
Product Name: Replacement Engine Mount Kits		Checked By: <del>RF</del>		

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)	Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
Director of Operations	Y	NF	14/01/10	DQA / QA Coord.	Y	PS	14/01/13
Production Manager / Coord.	Y	LL/MF	14-01-10	QC Coordinator	Y	ED	14/01/10
Purchasing Coord.	N	CL		Customer Support	N	SW/LM	
Production Engineering Coord.	Y	DD/JLM	14.01.10	Customer Technical Support	N	MB/HS	
Production Engineering Coord.	N	DL		Marketing	N	HM	
Customer Order Processing	N	RM/CA		Sales Support Manager	N	NM	

**Reason for Change:**  
Release Drawing for Prototype and Vibration Testing (See Parts List attached)

**Documents Affected:**

D4866 Rev. A	D4935 Rev. A	D4869 Rev. A	D4806 Rev. A
D4867 Rev. A	D4836 Rev. A	D4801 Rev. A	D4807 Rev. A
D4868 Rev. A	D4837 Rev. A	D4802 Rev. A	
D4920 Rev. A	D4805 Rev. A	D4803 Rev. A	
D4834 Rev. A	D4808 Rev. A	D4804 Rev. A	

PAPERWORK UPDATE ☐ PARTS MUST COMPLY ☒ PREVIOUS PARTS SATISFACTORY ☐

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3					

#	Engineering Actions	Reqd	Resp	Notes	Complete
4	Required Documents/Drawings Under Review	N			
5	Update Master Document List (MDL)	N			
6	Update Product Compatability Matrix	N			
7	Notify TC / FAA of Change	N			
8					
9					

#	Document Control Actions	Reqd	Resp	Notes	Complete
10	Move Electronic Files/Design Journal	Y	KJ		14.01.10
11	Update Product Specification Files	N			
12	Update Approved/Preliminary Dwg PDF Files	Y	KJ		14.01.10
13	Update Document Record (DR)	N			
14	Update Product Development Summary	N			
15	Update QSI 021(TC/FAA STC) and/or STC Approval List	N			
16	Create/Update Parts / STC Database	Y	KJ		14.01.10
17	Update / Verify ARC Database	Y	KJ		14.01.10
18	Create / Update Change Record Form / Item Card Database	Y	KJ	D206-811-015/-017/-019 @ CHG 001	14.01.10
19	Create / Update PPP's	N			
20	Red Decals required?	N			
21	Update Document Control Database (Qpulse)	N			
22	Update Grey Project / Electronic Binder PDF Files	N			
23	Update D-Part/M-Drawing/DSI/DEO Master Binders	Y	KJ		14.01.10
24	Manufacturing Licensing Agreement Update	N			






**Description / Action:**

- Create BOM/routing for above drawings
- Create BOM/routing for D206-811-015/-017/-019 Kits per Parts List attached
- D206-811-015/-017/-019 Kits at CHG 001
- Manufacture quantity (1) of D206-811-017/-019 Kits for testing

ECN Verified & Complete: 

Date: 14/01/23

**Table 1. – Fastener Torque**

Fastener Type	Torque (in-lbs)	Torque (N*m)
1/4-28 	25-35	2.8-4.0
1/4-28 	50-70	5.7-7.9
3/8-24 	70-90	7.9-10.2
3/8-24 	105-115	11.9-13.0
3/8-24 	100-140	11.3-15.8

#### 4.0 WEIGHT AND BALANCE

The following is the net weight increase associated with the D206-811-015 Kit.

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D206-811-015 REPLACEMENT ENGINE MOUNT KIT (206L Series S/N 45004 thru 45153, 46601 thru Sub)	0.7 lb 0.32 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	160.2 in 4.07 m	112 in-lb 1.3 m-kg

#### 5.0 PARTS LIST

Qty -015	Part Number	Description
X	D206-811-015	REPLACEMENT ENGINE MOUNT KIT (206L Series S/N 45004 thru 45153, 46601 thru Sub)
1	D4866-041	LEG ASSEMBLY, AFT
1	D4866-042	LEG ASSEMBLY, AFT
2	D4867-041	LEG ASSEMBLY, FWD
2	D4868-041	LEG ASSEMBLY

**PRELIMINARY  
ISSUE**

**Table 1. – Fastener Torque**

Fastener Type	Torque (in-lbs)	Torque (N*m)
1/4-28 <b>T</b> <sub>1</sub>	25-35	2.8-4.0
1/4-28 <b>T</b> <sub>2</sub>	50-70	5.7-7.9
3/8-24 <b>T</b> <sub>3</sub>	70-90	7.9-10.2
3/8-24 <b>T</b> <sub>4</sub>	85-110	9.6-12.4

## 4.0 WEIGHT AND BALANCE

The following is the net weight increase associated with the D206-811-017 Kits.






Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
<b>D206-811-017</b> <b>REPLACEMENT ENGINE MOUNT KIT</b> <i>(206L-1/L-3/L-4- Series S/N 45154 thru Sub, 51001 thru Sub, 52001 thru Sub)</i>	0.5 lb 0.23 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	165.5 in 4.20 m	83 in-lb 1.0 m-kg

## 5.0 PARTS LIST

Qty -017	Part Number	Description
X	D206-811-017	<b>REPLACEMENT ENGINE MOUNT KIT</b> <i>(206L-1/L-3/L-4- Series S/N 45154 thru Sub, 51001 thru Sub, 52001 thru Sub)</i>
1	D4834-041	LEG ASSEMBLY, AFT
1	D4834-042	LEG ASSEMBLY, AFT
2	D4835-041	LEG ASSEMBLY, FWD
1	D4836-041	LEG ASSEMBLY, AFT
1	D4837-041	LEG ASSEMBLY, AFT

**PRELIMINARY  
ISSUE**

**Table 1. – Fastener Torque**

Fastener Type	Torque (in-lbs)	Torque (N*m)
3/8-24 	15-20	1.7-2.3
1/4-28 	25-35	2.8-4.0
1/4-28 	50-70	5.7-7.9
3/8-24 	70-90	7.9-10.2
3/8-24 	135 Max	15.3 Max

#### 4.0 WEIGHT AND BALANCE

The following is the net weight increase associated with the D407-811-019 Kit.

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D407-811-019 REPLACEMENT ENGINE MOUNT KIT (407 Series S/N 53000 thru 54299, 54300 and Sub)	0.7 lb 0.32 kg	1.0 in 0.03 m	0.7 in-lb 0.0 m-kg	165.0 in 4.20 m	116 in-lb 1.3 m-kg

#### 5.0 PART LIST

Qty -019	Part Number	Description
X	D407-811-019	REPLACEMENT ENGINE MOUNT KIT (407 Series S/N 53000 thru 54299, 54300 and Sub)
1	D4801-041	LEG ASSEMBLY, AFT
1	D4801-042	LEG ASSEMBLY, AFT
2	D4802-041	LEG ASSEMBLY, FWD
1	D4803-041	BAR ASSEMBLY, SWAY
1	D4804-041	BIPOD ASSEMBLY, AFT

**PRELIMINARY  
ISSUE**